

From: [Hayter, Earl J ERDC-RDE-EL-MS](#)
To: [Miller, Garyg](#)
Subject: RE:
Date: Saturday, February 28, 2015 1:14:38 PM

Gary, I keep forgetting to ask you if you have been able to obtain the information listed below regarding ship traffic, etc. Thanks, Earl

> -----Original Message-----

> From: Miller, Garyg [<mailto:Miller.Garyg@epa.gov>]

> Sent: Tuesday, February 03, 2015 5:14 PM

> To: Hayter, Earl J ERDC-RDE-EL-MS

> Subject: RE:

>

> Earl,

>

> Working on getting some info on this & will get back to you.

>

> Regards,

>

> Gary Miller

> EPA Remedial Project Manager

> 214-665-8318

> miller.garyg@epa.gov

>

> -----Original Message-----

> From: Hayter, Earl J ERDC-RDE-EL-MS [<mailto:Earl.J.Hayter@erdcdren.mil>]

> Sent: Tuesday, February 03, 2015 3:33 PM

> To: Miller, Garyg

> Subject: RE:

>

> Gary,

>

> Something I forgot to talk to you about earlier. Do you have access from

> any of your contacts information on the ship traffic in proximity to the

> cap? Specifically, I will need information on average ship power, size,

> draft, propeller(s) diameter and type (i.e., ducted or non-ducted), and

> average ship speed. I need this information to evaluate propwash.

>

> Thanks,

>

> Earl

>

> > -----Original Message-----

> > From: Miller, Garyg [<mailto:Miller.Garyg@epa.gov>]

> > Sent: Tuesday, February 03, 2015 3:23 PM

> > To: Hayter, Earl J ERDC-RDE-EL-MS

> > Subject: RE:

> >

> > Earl,

> >

> > Here's something else about stream stability (from Federal Highway

> > Administration) -

> > <http://www.fhwa.dot.gov/engineering/hydraulics/pubs/hec/hec11sl.pdf>

> >

> > "In addition, current site conditions can be used to evaluate river

> > stability. Even when historic information indicates that a channel has

> > been relatively stable in the past, local conditions may indicate more



9563086

> > recent instabilities. Local site conditions which are indicative of
> > channel instabilities include tipping and falling of vegetation along
> > the bank, cracks along the bank surface, the presence of slump blocks,
> > fresh vegetation laying in the channel near the channel banks,
> > deflection of channel flows in the direction of the bank due to some
> > recently deposited obstruction or channel course change, fresh
> > vertical face cuts along the bank, locally high velocities along the
> > bank, new bar formation downstream from an eroding bank, local
> > headcuts, pending or recent cutoffs, etc... It is also important to
> > recognize that the presence of any one of these conditions does not in
> > itself indicate an erosion problem; some bank erosion is common in all
> > channels even when the channel is stable. A more detailed coverage of
> > the analysis of stream stability through the use of historic and
> > current observations is presented in Shen (1).
> > Analytic methods for the evaluation of channel stability can be
> > classified as either geomorphic or hydraulic. It is important to
> > recognize that these analytic tools should only be used to
> > substantiate the erosion potential indicated through observation.
> > Geomorphic relationships have been presented by many investigators,
> > for example Leopold (2), and Lane (3). More recently these
> > relationships have been summarized by Brown (4), and Richardson (5)."

> >
> > Gary Miller
> > EPA Remedial Project Manager
> > 214-665-8318
> > miller.garyg@epa.gov
> >

> > -----Original Message-----

> > From: Hayter, Earl J ERDC-RDE-EL-MS
> > [<mailto:Earl.J.Hayter@erdcdren.mil>]
> > Sent: Tuesday, February 03, 2015 2:07 PM
> > To: Miller, Garyg
> > Subject: RE:

> >
> > Thanks Gary. Maynord retired a year or two ago.

> > > -----Original Message-----

> > > From: Miller, Garyg [<mailto:Miller.Garyg@epa.gov>]
> > > Sent: Tuesday, February 03, 2015 3:06 PM
> > > To: Hayter, Earl J ERDC-RDE-EL-MS
> > > Subject: RE:

> > >
> > > Earl,

> > >
> > > Here is the link -

> > >
> > > <http://www.epa.gov/glnpo/sediment/iscmain/appnda.pdf>

> > >
> > > Just noticed its written by Steve Maynord @ Vicksburg - perhaps you
> > > know him?

> > >
> > > Regards,

> > >
> > > Gary Miller
> > > EPA Remedial Project Manager
> > > 214-665-8318
> > > miller.garyg@epa.gov
> > >

> > > -----Original Message-----

> > > From: Hayter, Earl J ERDC-RDE-EL-MS

> > > [\[mailto:Earl.J.Hayter@erdc.dren.mil\]](mailto:Earl.J.Hayter@erdc.dren.mil)
> > > Sent: Tuesday, February 03, 2015 1:48 PM
> > > To: Miller, Gary
> > > Subject:

> > >

> > > Gary,

> > >

> > > Which capping guidance report were you referring to during our call
> > > earlier today? There are several different 'versions'.

> > >

> > > Thanks,

> > >

> > > Earl

> > >

> > >

#####

> > >

> > > Earl J. Hayter, Ph.D.

> > > U.S. Army Corps of Engineers

> > > Engineer Research and Development Center Environmental Laboratory

> > > Vicksburg, MS 39180

> > >

> > > Duty Station:

> > >

> > > Clemson University

> > > 302A Lowry Hall

> > > Clemson, SC 29634

> > >

> > > Phone: 864.656.5942

> > > Fax: 864.656.2670

> > >

> > >

#####